

### **ABSTRACT OF THE DISCLOSURE**

Packets having at least one cell are switched using input queues, output queues, a switch fabric, and a controller. Each input queue stores cells to be switched, and each output queue stores switched cells. The switch fabric couples the input queues to the output queues and has memory. The switch fabric stores cells moved from the input queues to the switch fabric and stores cells based on the output queues. The controller couples to the input queues and the switch fabric and determines input priorities for cells moving from the input queues to the switch fabric and output priorities for cells moving from the switch fabric to the output queues.

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